Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/16/2020 10:47 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123899	-1	2.40	123956	2.42
Blue	F	SSC	125000	123778	-1	2.32	124582	2.26
Blue	E	FITC	15892	15487	-3	2.94	338	20.73
Blue	D	PE	29999	29027	-4	2.11	631	14.79
Blue	B	PerCP-Cy5-5	43732	43175	-2	3.86	1156	21.13
Blue	A	PE-Cy7	30845	30989	0	6.20	588	41.84
Red	C	APC	46112	44972	-3	2.50	1591	12.02
Red	A	APC-Cy7	30458	29789	-3	2.50	787	11.71
Violet	B	V450	7918	7598	-5	4.11	428	12.73
Violet	A	V500	32171	31415	-3	3.83	733	10.23

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17210	11.92	630	9	N/A	N/A	Pass
Blue	F	SSC	56571	1.60	571	12	N/A	N/A	Pass
Blue	E	FITC	61	65.51	548	5	0.0185	123	Pass
Blue	D	PE	131	49.96	553	5	0.1619	265	Pass
Blue	B	PerCP-Cy5-5	212	51.09	661	5	0.0084	34	Pass
Blue	A	PE-Cy7	110	103.97	705	7	0.0105	18	Pass
Red	C	APC	380	24.71	585	1	0.0247	117	Pass
Red	A	APC-Cy7	173	28.65	558	2	0.0060	1194	Pass
Violet	B	V450	65	55.87	463	5	0.0510	1693	Pass
Violet	A	V500	109	30.94	479	5	0.0228	403	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.93	-32.49	0.96
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.43
Red	16.37	13.60 - 20.40	N/A	N/A	29.91	30.37	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9646

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments